In the Claims:

Please amend the above-identified application as follows:

This listing of claims will replace all prior versions, and listing, of claims in the application.

1. (Currently Amended):   A method for building a representation of a graphical user interface (GUI), comprising:

generating a class, the class being an object oriented programming language class;

generating a first representation of the GUI, wherein the class can produce a second representation GUI based on the first representation;

generating a second representation of the GUI from the class, wherein the second representation includes at least one control; and

wherein the first representation ~~can include~~ includes ~~at least one of:~~ hierarchical relationships among controls, control properties, and control event information.

2. (Original):   The method of claim 1, further comprising: creating the first representation by parsing a file.

3. (Original):   The method of claim 2 wherein:
the file is a JavaServer Pages (JSP) file.

4. (Original):   The method of claim I wherein: the second representation is a tree.

5. (Original):   The method of claim 1 wherein:
the step of generating the class occurs as a result of receiving a request.

6. (Original): The method of claim 5 wherein:

the request is a hypertext transfer protocol request (HTTP); and the request originates from a web browser.

7. (Original): The method of claim 1, further comprising: providing a response to a web browser.

8. (Original): The method of claim 1 wherein:

the second representation can be driven through at least one lifecycle stage by an interchangeable lifecycle component.

9. (Original): The method of claim 1 wherein:

the at least one control has an interchangeable persistence mechanism.

10. (Original): The method of claim I wherein:

the at least one control can render itself according to a theme.

11. (Original): The method of claim I wherein:

one of the at least one controls can interact with another of the at least one controls.

12. (Original): The method of claim 1 wherein:

one of the at least one controls can advance through the at least one lifecycle stage in parallel with another of the at least one controls.

13. (Original): The method of claim 8 wherein:

the at least one lifecycle stage is one of: mit, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose; and wherein the lifecycle stage is part of a dynamically configurable lifecycle.

14. (Original):   The method of claim 7 wherein:
the response is a hypertext transfer protocol (HTTP) response.

15. (Original):   The method of claim I wherein:
the at least one control can raise events and respond to events.

16. (Original):   The method of claim 1 wherein:
the at least one control can be one of: Book, Page, Window, Menu, Layout, Portlet, Theme, Placeholder, Shell, LookAndFeel, Desktop, Body, Footer, Header, Head, Titlebar, ToggleButton, TreeView, TreeViewWithRadioButtons.

17. (Currently Amended):   A method for building a representation of a graphical user interface (GUI), comprising:
        generating a representation of the GUI from metadata, wherein the representation includes at least one control;
        driving the representation through at least one lifecycle stage by an interchangeable lifecycle component;
        wherein the metadata can include at least one of: hierarchical relationships among controls, control properties, and control event information; and
        wherein the representation can be driven through the at least one lifecycle stage by an interchangeable lifecycle component;

wherein an interface is provided to isolate details of the interchangeable lifecycle component from a control container to allow different lifecycle implementations to be interchangeable;

wherein the interchangeable life cycle component runs on at least one processor.

18. (Original): The method of claim 17, further comprising:

creating the metadata by parsing a file.

19. (Original): The method of claim 17 wherein:

the step of generating the metadata representation occurs as a result of receiving a request.

20. (Original): The method of claim 19 wherein:

the request is a hypertext transfer protocol request (HTTP); and wherein the request originates from a web browser.

21. (Original): The method of claim 17, further comprising:

providing a response to a web browser.

22. (Original): The method of claim 17 wherein:

the at least one control has an interchangeable persistence mechanism.

23. (Original): The method of claim 17 wherein:

the at least one control can render itself according to a theme.

24. (Original): The method of claim 17 wherein:

one of the at least one controls can interact with another of the at least one controls.

25. (Original):   The method of claim 17 wherein:

one of the at least one controls can advance through the at least one lifecycle stage in parallel with another of the at least one controls.

26. (Original):   The method of claim 17 wherein:

the at least one lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose; and wherein the lifecycle stage is part of a dynamically configurable lifecycle.

27. (Original):   The method of claim 21 wherein:

the response is a hypertext transfer protocol (HTTP) response.

28. (Original):   The method of claim 17 wherein:

controls can raise events and respond to events.

29. (Original):   The method of claim 17 wherein:

the at least one control can be one of: Book, Page, Window, Menu, Layout, Portlet, Theme, Placeholder, Shell, LookAndFeel, Desktop, Body, Footer, Header, Head, Titlebar, ToggleButton, TreeView, TreeViewWithRadioButtons.

30. (Currently Amended):   A system for building a representation of a graphical user interface (GUI), comprising:

a first component operable to produce a second component and a metadata representation of the GUI;

the second component operable to produce a hierarchical representation of the GUI based on the metadata, wherein the representation includes at least one control;

wherein the metadata can include at least one of: hierarchical relationships among controls, control properties, and control event information; and

wherein the representation can be driven through at least one lifecycle stage by an interchangeable lifecycle component;

wherein an interface is provided to isolate details of the interchangeable lifecycle component from a control container to allow different lifecycle implementations to be interchangeable;

wherein the interchangeable life cycle component runs on at least one processor.

31. (Original):   The system of claim 30, further comprising:
a parser operable to parse a file and create the metadata.

32. (Original):   The system of claim 31 wherein:
the file is a JavaServer Pages (JSP) file.

33. (Previously Presented):   The system of claim 30 wherein:
a first generator produces a second generator in response to receiving a request.

34. (Original):   The system of claim 33 wherein:
the request is a hypertext transfer protocol request (HTTP); and
wherein the request originates from a web browser.

35. (Original):   The system of claim 30 wherein:
a response is provided to a web browser.

36. (Original):   T he system of claim 30 wherein:
the at least one control has an interchangeable persistence mechanism.

37. (Original):   The system of claim 30 wherein:

the at least one control can render itself according to a theme.

38. (Original):   The system of claim 30 wherein:

one of the at least one controls can interact with another of the at least one controls.

39. (Original):   The system of claim 30 wherein:

one of the at least one controls can advance through the at least one lifecycle stage in parallel with another of the at least one controls.

40. (Original):   The system of claim 30 wherein:

the at least one lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose; and

wherein the lifecycle stage is part of a dynamically configurable lifecycle.

41. (Original):   The system of claim 35 wherein:

the response is a hypertext transfer protocol (HTTP) response.

42. (Original):   The system of claim 30 wherein:

the at least one control can raise events and respond to events.

43. (Original):   The system of claim 30 wherein:

the at least one control can be one of: Book, Page, Window, Menu, Layout, Portlet, Theme, Placeholder, Shell, LookAndFeel, Desktop, Body, Footer, Header, Head, Titlebar, ToggleButton, TreeView, TreeViewWithRadioButtons.

44. (Currently Amended):   A system comprising:

a means for generating a first representation of a graphical user interface (GUI);
a means for generating a second representation of the GUI from the first representation, wherein the second representation includes at least one control;

wherein metadata can include at least one of hierarchical relationships among controls, control properties, and control event information; and

wherein the second representation can be driven through at least one lifecycle stage by an interchangeable lifecycle component;

wherein an interface is provided to isolate details of the interchangeable lifecycle component from a control container to allow different lifecycle implementations to be interchangeable;

wherein the interchangeable life cycle component runs on at least one processor.

45. (Original):   The system of claim 44, further comprising:

a means for parsing a file and creating the metadata.

46. (Original):   T he system of claim 45 wherein:

the file is a JavaServer Pages (JSP) file.

47. (Original):   The system of claim 44, further comprising:

the means for accepting a request.

48. (Original):   The system of claim 47 wherein:

the request is a hypertext transfer protocol request (HTTP); and

wherein the request originates from a web browser.

49. (Original):   The system of claim 44, further comprising:

a means to provide a response to a web browser.

50. (Original):   The system of claim 44 wherein:

the at least one control has an interchangeable persistence mechanism.

51. (Original):   The system of claim 44 wherein:

the at least one control can render itself according to a theme.

52. (Original):   The system of claim 44 wherein:

one of the at least one controls can interact with another of the at least one controls.

53. (Original):   The system of claim 44 wherein:

one of the at least one controls can advance through the at least one lifecycle stage in parallel with another of the at least one controls.

54. (Original):   The system of claim 44 wherein:

the at least one lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose; and wherein the lifecycle stage is part of a dynamically configurable lifecycle.

55. (Original):   The system of claim 49 wherein:

the response is a hypertext transfer protocol (HTTP) response.

56. (Original):   The system of claim 44 wherein:

the at least one control can raise events and respond to events.

57. (Original):   The system of claim 44 wherein:

the at least one control can be one of: Book, Page, Window, Menu, Layout, Portlet, Theme, Placeholder, Shell, LookAndFeel, Desktop, Body, Footer, Header, Head, Titlebar, ToggleButton, TreeView, TreeViewWithRadioButtons.

58. (Currently Amended):   A machine readable medium having instructions stored thereon that when executed by a processor cause a system to:

generate a representation of a graphical user interface (GUI) from metadata, wherein the representation includes at least one control;

drive the representation through at least one lifecycle stage by an interchangeable lifecycle component;

wherein the metadata can include at least one of: hierarchical relationships among controls, control properties, and control event information; and

wherein the representation can be driven through the at least one lifecycle stage by [[an]] the interchangeable lifecycle component;

wherein an interface is provided to isolate details of the interchangeable lifecycle component from a control container to allow different lifecycle implementations to be interchangeable;

wherein the interchangeable life cycle component runs on at least one processor.

59. (Original):   The machine readable medium of claim 58, further comprising instructions that when executed cause the system to:

create the metadata by parsing a file.

60. (Original):   The machine readable medium of claim 58 wherein:

the step of generating the metadata representation occurs as a result of receiving a request.

61. (Original): The machine readable medium of claim 60 wherein:

the request is a hypertext transfer protocol request (HTTP); and wherein the request originates from a web browser.

62. (Original): The machine readable medium of claim 58, further comprising instructions that when executed cause the system to:

provide a response to a web browser.

63. (Original): The machine readable medium of claim 58 wherein:

the at least one control has an interchangeable persistence mechanism.

64. (Original): The machine readable medium of claim 58 wherein:

the at least one control can render itself according to a theme.

65. (Original): The machine readable medium of claim 58 wherein:

one of the at least one controls can interact with another of the at least one controls.

66 (Original): The machine readable medium of claim 58 wherein:

one of the at least one controls can advance through the at least one lifecycle stage in parallel with another of the at least one controls.

67. (Original): The machine readable medium of claim 58 wherein:

the at least one lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose; and wherein the lifecycle stage is part of a dynamically configurable lifecycle.

68. (Original): The machine readable medium of claim 62 wherein:

the response is a hypertext transfer protocol (HTTP) response.

69. (Original):   The machine readable medium of claim 58 wherein:

controls can raise events and respond to events.

70. (Original):   The machine readable medium of claim 58 wherein:

the at least one control can be one of: Book, Page, Window, Menu, Layout, Portlet, Theme, Placeholder, Shell, LookAndFeel, Desktop, Body, Footer, Header, Head, Titlebar, ToggleButton, TreeView, TreeViewWithRadioButtons.

71. (Canceled)